Amendment to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A computer-readable medium having computer executable instructions for segmenting a plurality of video shots within one or more video files, comprising:

determining instructions for determining a time corresponding to each video shot;

organizing instructions for organizing the video shots in a sequence according to the determined time corresponding to each video shot;

determining instructions for determining a time gap between two successive shots in the organized sequence; and

segmenting instructions for grouping the video shots of the video file into a first plurality of clusters as a function of the determined time gaps; and

wherein the segmenting instructions include instructions for:

comparing the determined time gaps between successive video shots in the organized sequence;

grouping two successive video shots into one of the clusters when their corresponding determined time gap indicates they are substantially close in time; and

determining a time span of each of the first plurality of clusters, said time span corresponding to a determined time of a first in time video shot within each cluster and the determined time of a last in time video shot within each cluster.

Claim 2 (original): The computer-readable medium of claim 1, wherein each video shot includes a video frame having video frame data, wherein the video frame data includes time and date data, and wherein the determining instructions include instructions for determining the time corresponding to each video shot from the video frame data.

Claim 3 (original): The computer-readable medium of claim 2, wherein the determined time gap corresponds to a length of time between the determined time of a first video shot and the determined time of a subsequent video shot in the organized sequence.

Claim 4 (original): The computer-readable medium of claim 1, wherein the organizing instructions includes instructions for organizing the video shots into a chronological order based on the determined time corresponding to each video shot.

Claim 5-6 (canceled).

Claim 7 (currently amended): The computer-readable medium of claim [[6]]1, wherein the segmenting instructions includes instructions for comparing the determined time span of each of the first plurality of clusters to a date boundary (e.g., day, week, month, or year), and wherein the first plurality of clusters is assigned a first quality as a function of the comparison.

Claim 8 (original): The computer-readable medium of claim 7, wherein the first plurality of clusters is assigned a favorable quality when the determined time span of each of clusters is less than or equal to the date boundary.

Claim 9 (original): The computer-readable medium of claim 8, wherein the segmenting instructions include instructions for biasing the first quality as a function of a number of clusters in the first plurality of clusters, and wherein a favorable bias is applied to the first quality to calculate a first biased quality when the number of clusters in the first plurality of clusters is less than or equal to a predefined cluster count, and wherein a less favorable bias is applied to the second quality to determine the first biased quality when the number of clusters in the second plurality of clusters is greater than the predefined cluster count.

Claim 10 (original): The computer-readable medium of claim 9, wherein the segmenting instructions includes instructions for grouping the video shots of the video file into a second plurality of clusters as a function of the determined time gaps, and wherein the segmenting

instructions includes instructions for determining a time span of each of the second plurality of clusters, wherein the time span corresponds to a determined time of a first in time video shot within each cluster and the determined time of a last in time video shot within each cluster, and wherein the segmenting instructions includes instructions for comparing the determined time span of each of the second plurality of clusters to a date boundary (e.g., day, week, month, or year), and wherein the second plurality of clusters is assigned a second quality as a function of the comparison.

Claim 11 (original): The computer-readable medium of claim 10, wherein the segmenting instructions include instructions for biasing the second quality as a function of a number of clusters in the second plurality of clusters, and wherein the favorable bias is applied to the second quality to determine a second biased quality when the number of clusters in the second plurality of clusters is less than or equal to the predefined cluster count, and wherein the less favorable bias is applied to the second quality to determine the second biased quality when the number of clusters in the second plurality of clusters is greater than the predefined cluster count.

Claim 12 (original): The computer-readable medium of claim 10, wherein the segmenting instructions further includes instructions for comparing the first quality and the second quality and grouping the video shots as a function of the comparison.

Claim 13 (original): The computer readable medium of claim 11, wherein the segmenting instructions further includes instructions for comparing the first biased quality and the second biased quality and grouping the video shots as a function of the comparison.

Claim 14 (currently amended): A computer-readable medium having computer executable instructions for storing a group of video shots, comprising:

storage identifying instructions for identifying a time span corresponding to the group of video shots;

storage labeling instructions for determining a label for the group of video shots corresponding to the identified time span corresponding to the group of video shots; and

storage instructions for storing the group of video shots as a grouped video shot file; and

wherein the time span corresponds to a determined time of a first shot within the group of video shots and the determined time of a last video shot within the group of video shots.

Claim 15-20 (canceled).

Claim 21 (previously presented): A method for segmenting a plurality of video shots within a video file for storage on a computer-readable medium:

determining a time corresponding to each video shot;

organizing the video shots in a sequence according to the determined time corresponding to each video shot;

determining time gaps between two successive shots in the organized sequence;

first grouping the video shots into a first plurality of clusters as a function of the determined time gaps;

assigning a first quality to the a first plurality of clusters as a function of a time span of each cluster in the first plurality of clusters;

second grouping the video shots into a second plurality of clusters as a function of the determined time gaps;

assigning a second quality to the second plurality of clusters as a function of a time span of each cluster in the second plurality of clusters;

comparing the first and second quality and selecting the first or second grouping as a function of the comparison; and

storing the selected grouping as a file on the computer-readable medium.

Claim 22 (original): The method of claim 21, wherein the determining a time of each video shot includes analyzing video data associated with a video frame to determine a start time of the video shot and end time of the video shot, wherein each video shot includes one or more video frames, and wherein said video data includes time and date data.

Claim 23 (original): The method of claim 21, wherein the organizing the video shots includes organizing the video shots in a chronological order.

Claim 24 (original): The method of claim 21, wherein the determining a time gap includes determining a time difference between the determined time of a first video shot in the organized sequence and the determined time of a subsequent video shot in the organized sequence.

Claim 25 (original): The method of the claim 21, wherein the assigning a first quality to the first plurality of clusters includes comparing the determined time span of each cluster in the first plurality of clusters to a date boundary (e.g., day, week, month, or year) to determine whether the determined time span is less than or equal to the date boundary, and wherein assigning a second quality to the second plurality of clusters includes comparing the determined time span of each cluster in the second plurality of clusters to a date boundary (e.g., day, week, month, or year) to determine whether the determined time span is less than or equal to the date boundary.

Claim 26 (original): The method of the claim 25, wherein the comparing the first and second quality includes determining whether the assigned first quality is more favorable than the assigned second quality, or whether the assigned first quality is less favorable than the assigned second quality, wherein the selecting the first or second grouping includes selecting the first plurality of clusters when the assigned first quality is more favorable than the assigned second quality, and wherein the selecting the first or second grouping includes selecting the second plurality of clusters when the assigned first quality is less favorable than the assigned second quality.

Claim 27 (original): The method of the claim 21 further including biasing the first quality assigned to the first plurality of clusters as a function of a number of cluster in the first plurality of clusters and biasing the second quality assigned to the second plurality of clusters as a function of a number of cluster in the second plurality of clusters, wherein the biasing the first quality includes determining a first biased quality, and wherein the biasing the second quality includes determining a first biased quality, and wherein the comparing further includes

comparing the first biased quality and second biased quality and selecting the first or second grouping as a function of the comparison.

Claim 28 (original): The method of claim 25, wherein the determining the first biased quality includes applying a favorable bias to the first quality when the number of clusters in the first plurality of clusters is less than or equal to a predefined cluster count, and applying a less favorable bias to the first quality when the number of clusters in the first plurality of clusters is greater than the predefined cluster count, and wherein the determining the second biased quality includes applying the favorable bias to the second quality when the number of clusters in the second plurality of clusters is less than or equal to a predefined cluster count, and applying the less favorable bias to the first quality when the number of clusters in the second plurality of clusters is greater than the predefined cluster count.

Claim 29 (original): The method of the claim 21 further including determining a label for each of the clusters in the selected grouping that identifies the time span corresponding to the group of video shots grouped into each cluster, and assigning the determined label as a name of the file to be stored on the computer-readable medium.

Claim 30-36 (canceled).

Claim 37 (new): A computer-readable medium having computer executable instructions for storing a group of video shots, comprising:

storage identifying instructions for identifying a time span corresponding to the group of video shots;

storage labeling instructions for determining a label for the group of video shots corresponding to the identified time span corresponding to the group of video shots; and

storage instructions for storing the group of video shots as a grouped video shot file; and

wherein the label indicates a date boundary, and wherein the time span corresponding to the group of video shots is less than or equal to the date boundary.

Claim 38 (new): A computer-readable medium having computer executable instructions for storing a group of video shots, comprising:

storage identifying instructions for identifying a time span corresponding to the group of video shots;

storage labeling instructions for determining a label for the group of video shots corresponding to the identified time span corresponding to the group of video shots; and

storage instructions for storing the group of video shots as a grouped video shot file; and

wherein storage instructions includes chapter storage instructions for storing the group of video shots on a removable computer-readable medium such as an optical video disc.

Claim 39 (new): The computer-readable medium of claim 38, wherein the storage instructions include instructions for assigning the determined label as a name of a file to be stored on the computer-readable medium.

Claim 40 (new): The computer-readable medium of claim 38, wherein each video shot includes a video frame having video frame data, wherein the video frame data includes time and date data, and wherein the storage identifying instructions include instructions for determining the time corresponding to each video shot from the video frame data.

Claim 41 (new): The computer-readable medium of claim 40, wherein the storage instructions includes instructions for organizing the video shots into a chronological order based on the determined time corresponding to each video shot.

Claim 42 (new): The computer-readable medium of claim 41, wherein the storage identifying instructions include instructions for determining a time difference between the determined time of a first video shot in the organized sequence and the determined time of a subsequent video shot in the organized sequence.

Claim 43 (new): The computer-readable medium of claim 38, wherein the label indicates a date boundary, and wherein the time span corresponding to the group of video shots is less than or equal to the date boundary.

Claim 44 (new): The computer-readable medium of claim 14, wherein the storage instructions include instructions for assigning the determined label as a name of a file to be stored on the computer-readable medium.

Claim 45 (new): The computer-readable medium of claim 14, wherein each video shot includes a video frame having video frame data, wherein the video frame data includes time and date data, and wherein the storage identifying instructions include instructions for determining the time corresponding to each video shot from the video frame data.

Claim 46 (new): The computer-readable medium of claim 45, wherein the storage instructions includes instructions for organizing the video shots into a chronological order based on the determined time corresponding to each video shot.

Claim 47 (new): The computer-readable medium of claim 37, wherein storage instructions includes chapter storage instructions for storing the group of video shots on a removable computer-readable medium such as an optical video disc.

Claim 48 (new): The computer-readable medium of claim 37, wherein the storage instructions include instructions for assigning the determined label as a name of a file to be stored on the computer-readable medium.

Claim 49 (new): The computer-readable medium of claim 37, wherein each video shot includes a video frame having video frame data, wherein the video frame data includes time and date data, and wherein the storage identifying instructions include instructions for determining the time corresponding to each video shot from the video frame data.

Claim 50 (new): The computer-readable medium of claim 49, wherein the storage instructions includes instructions for organizing the video shots into a chronological order based on the determined time corresponding to each video shot.

Claim 51 (new): The computer-readable medium of claim 50, wherein the storage identifying instructions include instructions for determining a time difference between the determined time of a first video shot in the organized sequence and the determined time of a subsequent video shot in the organized sequence.